

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch

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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-006787**Date Inspected:** 16-May-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 1845**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 645**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Lv Li Qing**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG and Tower**Summary of Items Observed:**

Summary of Items Observed: On this date Caltrans OSM Quality Assurance (QA) Inspector, Larry Viars was present during the times noted above for observations relative to the work being performed.

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During random verification Magnetic Particle Testing (MT) of OBG Segment 1AAE, Caltrans Quality Assurance (QA) Inspector discovered a 45 mm long crack and a 15 mm linear indication on weld SEG2A-033. A 15 mm indication was also found on SEG2A-034. The welds have been one hundred percent MT tested and inspected by ZPMC Quality Control MT Technicians. ZPMC QC stated a critical weld repair report would be submitted for Caltrans Engineering review. This QA inspector issued an incident report for above mentioned indications. Please see the attached photos below.

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QA Inspector observed the following work in progress: FCAW welding of weld joints 001B, 025B, 025B, 013B located on WSD1-FESA3-2 B/D. ZPMC welders were identified as 040759, 049220, 059525 and 058792. ZPMC QC is identified as Xu Le Feng. The welding appeared to be in conformance with welding procedure specification, WPS-B-T-2232-TC-U5-F.

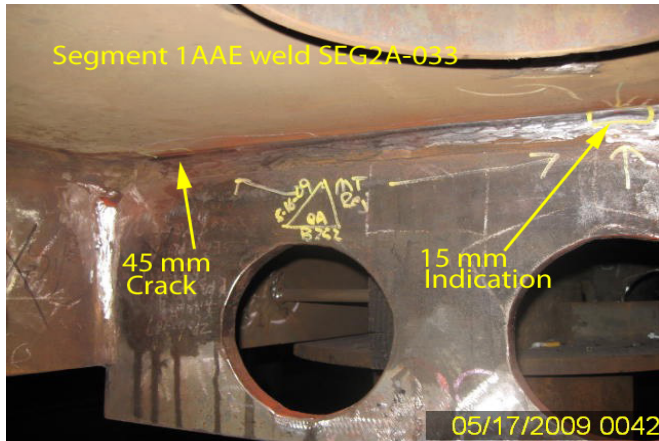
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WELDING INSPECTION REPORT

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QA Inspector observed the following work in progress: SAW welding of weld joint 007 located on SEG-046A. ZPMC welder was identified as 044771. ZPMC QC is identified as Lv Li Qing. The welding appeared to be in conformance with welding procedure specification, WPS-B-T-2221-B-L2c-S-2.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



Summary of Conversations:

As identified within the contents of this report.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang 150 0042 2372, who represents the Office of Structural Materials for your project.

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| Inspected By: | Viars,Larry | Quality Assurance Inspector |
| Reviewed By: | Carreon,Albert | QA Reviewer |
